

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kevin George Harding et al.

Serial No.: 10/676,990

Filed: September 30, 2003

For METHOD AND APPARATUS FOR INTERNAL
FEATURE RECONSTRUCTION

Group Art Unit:

Examiner:

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT**

- ☒ 1 **Pursuant to 37 CFR 1.97(b)**
[within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**
[before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**
[before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**
[On or before issue fee payment] *\$180.00*

ATTN: BOX PATENT APPLICATION
Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following are submitted in the above identified application in compliance with 37 CFR 1.97 & 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

Date of Deposit_____
Type or Print Name_____
Signature

This paper is submitted in accordance with:

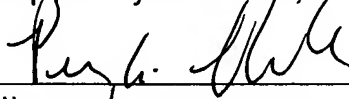
- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below; or
- ☐ 9 The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR §1.97(d): [On or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- ☐ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 07-0868. An original and two (2) copies of this document are enclosed.

11-18-03

Date

General Electric Company
CRD Patent Docket Rm 4A59
P.O. Box 8, Bldg. K-1
Schenectady, New York 12301
Customer Number: 006147

Respectfully submitted,



Attorney Penny A. Clarke

Registration No. 46,627
Phone: (518) 387-5349
or (518) 387-7122

FORM PTO-1449
(REV. 7-80)
(Title Amended 3/83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

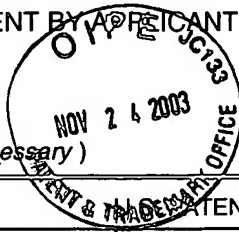
125991-1

SERIAL NO.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT--
LIST OF ITEMS

(Use several sheets if necessary)



Applicant

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PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	No
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

AR	T. M. Liou et al., "Heat Transfer and Fluid Flow in a Square Duct with 12 Different Shaped Vortex Generators", Transactions of the ASME, Journal of Heat Transfer, Vol. 122, No. 2, pp. 327-335, May 2000.
AS	T. Varady et al., "Revers Engineering of Geometric Models an Introduction", Computer-Aided Design 1997, Vol. 29, No. 4, pp.255-268, 1997.
AT	Z. Li et al, "Point Cloud to Surface Best-Fitting", Proceedings of the Second International Corporation Rapid Prototyping & Manufacturing 2002, Beijing, pp.162-166.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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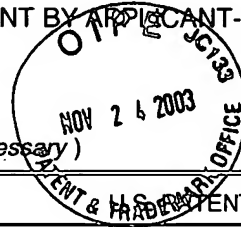
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	BD					
	BE					
	BF					
	BG					
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	BJ					
	BK					

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						YES	No
	BL						
	BM						
	BN						
	BO						
	BP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

BR	I. I. Esat et al., ""Surface alignment based on the moment of inertia and improved least-squares methods", Proc Institute Mech Engrs, Vol 214 Part B, IMechE 2000, pp. 547-554.
BS	R. Bergevin et al., "Registering Range Views of Multipart Objects", Computer Vision & Image Understanding, Vol. 61, No. 1, pp. 1-16, January 1995.
BT	J. - Y. Lai et al., :Registration and Data Merging for Multiple Sets of Scan Data:, The Int. Journal Adv. Manufacturing Technology, 1999, 15:54-63.

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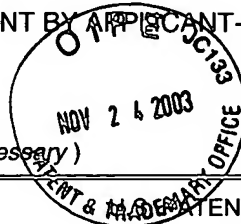
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	CI					
	CJ					
	CK					

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	CL						
	CM						
	CN						
	CO						
	CP						

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CR	B.K.P. Horn et al., "Closed-form Solution of Absolute Orientation Using Orthonormal Matrices," Journal of the Optical Society, Vol. 5, No. 7, pp. 1127-1135, July 1988.
CS	R. Fletcher et al., "A rapidly convergent descent method for minimization:, The Computer Journal, Vol. 6, ISSN 0010-4620 OCLC 156400, 1963, pp. 163-168.
CT	V. Conan et al., "Multiresolution registration of 3D range images of free-form surfaces", SPIE Vol. 3204, 1997, pp. 165-172.

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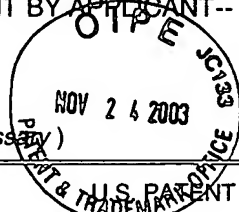
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						YES	No
	DL						
	DM						
	DN						
	DO						
	DP						

OTHER INFORMATION (Including Author, Title, Date, Pertinent pages. Etc.)

DR	H. I. Ringermacher et al., "Towards a Flat-Bottom Hold Standard for Thermal Imaging", Review of Progress in Quantitative Nondestructive Evaluation, Vol. 17, Plenum Press, New York, 1998, pp. 425-429.
DS	
DT	

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